

D SUBMINIATURE  
PRESSFIT STRAIGHT



## PCB Connectors with Pressfit Termination

The D\*NG is based upon the specification CECC 75-301-802. These connectors provide a low cost alternative to traditional through-hole solder contacts for pc boards. Utilizing stamped "Eye of the needle" compliant contact tails per IEC-352-5, the parts are quickly and easily mounted onto pc boards without soldering, crimping or special tooling. The socket contact engaging area utilizes a "spoon" shape for electrical continuity. Hardware options provide flexibility and ensure that the final product fits the electrical requirements of any application.

## Product Features

- Fast and easy press-in installation without special tooling
- "Spoon" shaped socket contact provides improved interface compared to "Tuning Fork"
- Closed entry socket for secure blind mating
- Front shell only design based on CECC 75-301-802
- "Eye of the Needle" compliant contact tails per IEC-325-5
- Press-in bolt for ground continuity
- 4-40 UNC or M3 hardware options



## Specifications

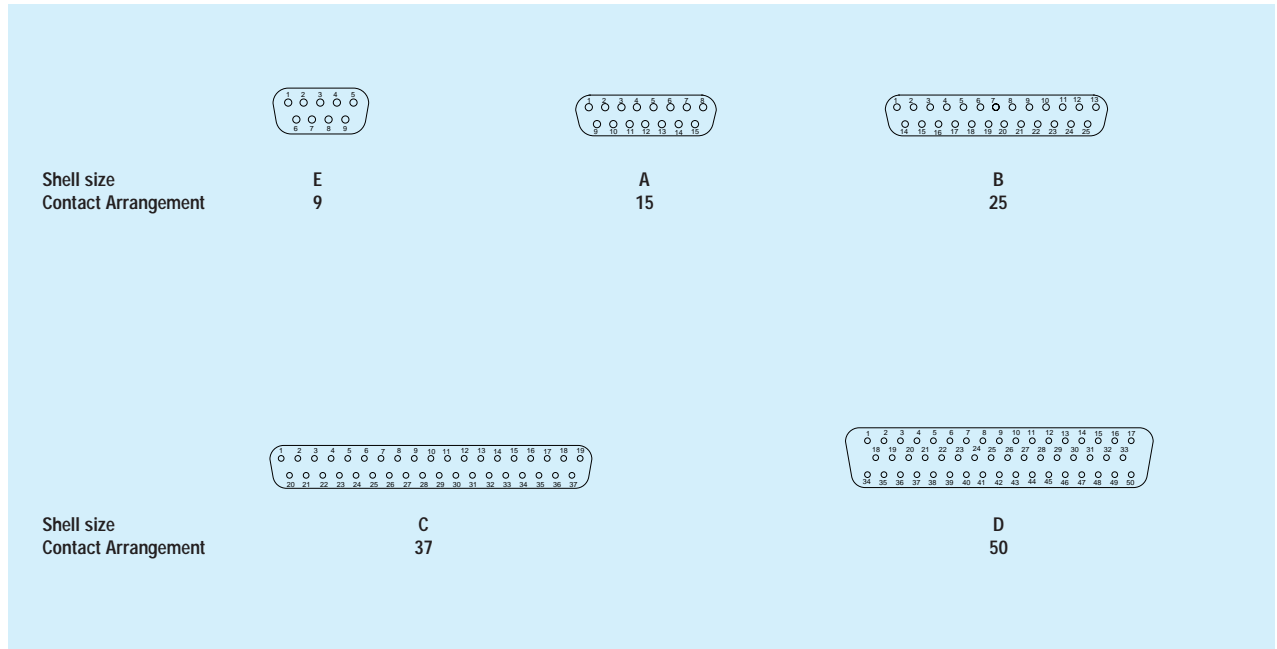
Termination	"Eye of the Needle" per IEC 352-5
Current Rating	5 A / 25° C, 3,5 A / 70° C
Temperature Rating	-50 / 125° C
Contact Resistance	10 mOhm
Test Voltage	1200 Veff / Sea Level
Plated Through Hole	Ø 0,94 – 1,09 (.043 – .037)
PC Tail Press-in Force	100 N max
PC Tail Push-out Force	30 N / contact min
PC Board Thickness	1,6 – 3,2 (.125 – .062)

## Materials and Finishes

Description	Material	Finish
Front shell	Steel	Tin
Insulator	Thermoplast, UL94V-0 black	-
Contacts	Copper Alloy	Gold over Nickel (Standard) or Gold over PdNi (-408)
Hardware	Steel / Copper Alloy	Tin / Zinc

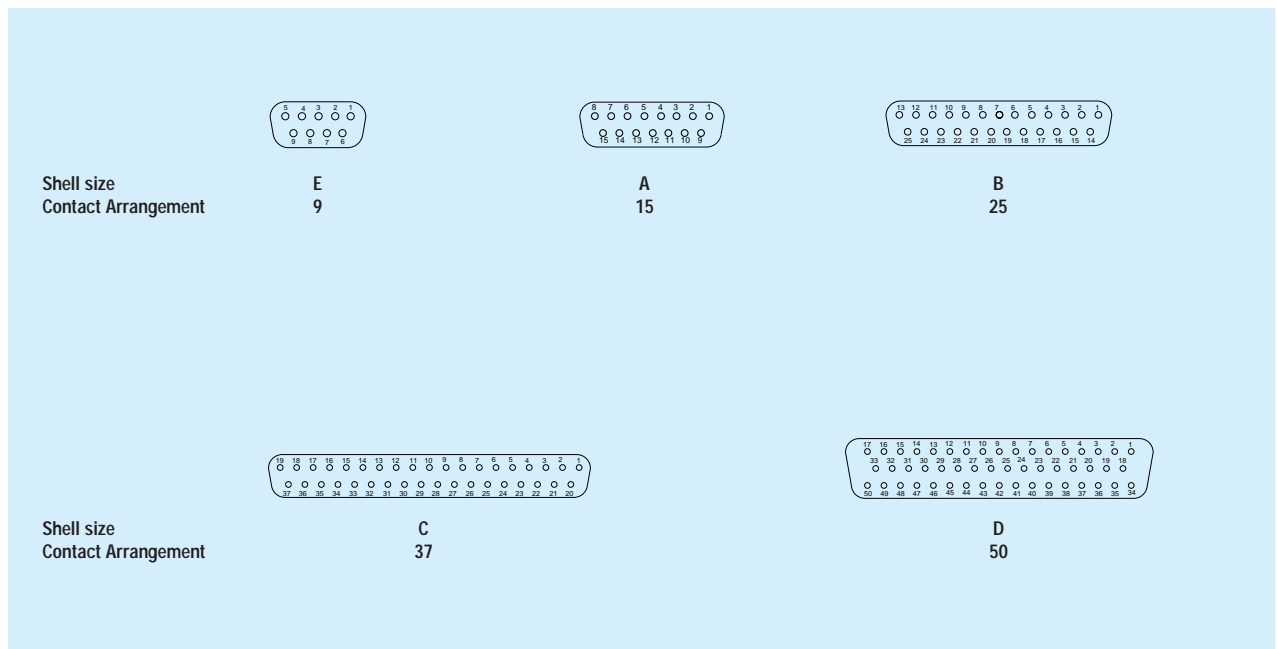
Plug Contact Cavity Arrangements

Face View Pin Insert



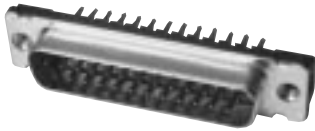
Receptacle Contact Cavity Arrangements

Face View Socket Insert



Straight Pressfit Termination

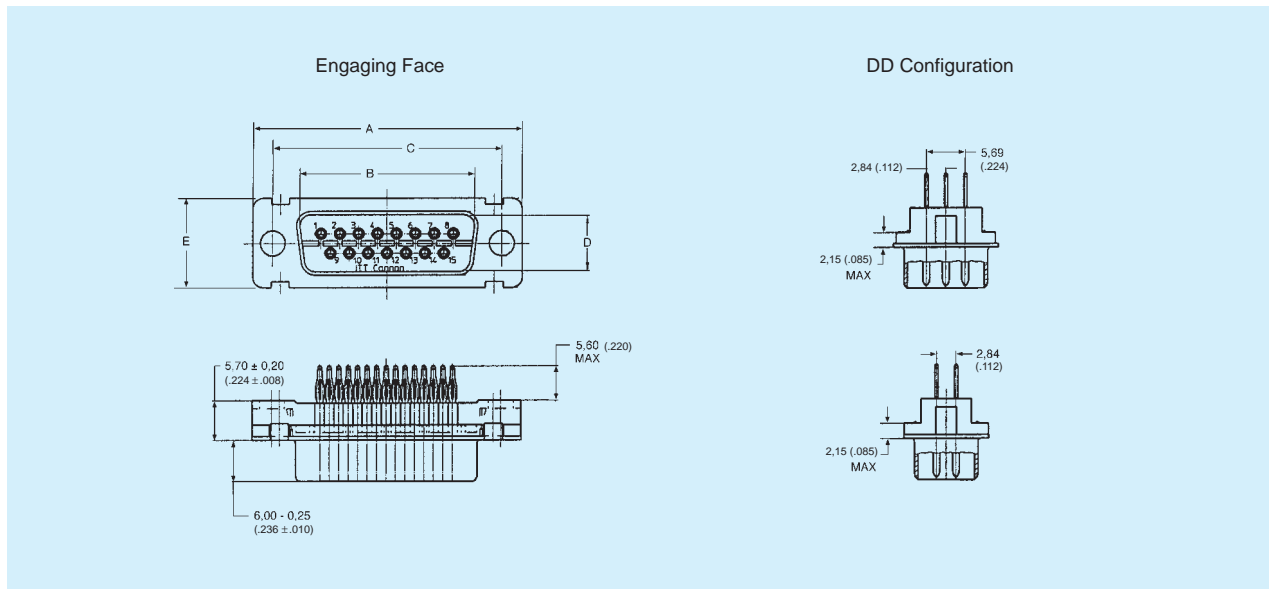
Plug



Part Numbers

Shell size	Layout	Through Hole	Clinch Nut # 4-40 UNC	Clinch Nut M3	Press-in Bolt # 4-40 UNC	Press-in Bolt M3
DE	9	DENG-9P-P1	DENG-E-9P-P1	DENG-X-9P-P1	DENG-Z-9P-P1	DENG-L-9P-P1
DA	15	DANG-15P-P1	DANG-E-15P-P1	DANG-X-15P-P1	DANG-Z-15P-P1	DANG-L-15P-P1
DB	25	DBNG-25P-P1	DBNG-E-25P-P1	DBNG-X-25P-P1	DBNG-Z-25P-P1	DBNG-L-25P-P1
DC	37	DCNG-37P-P1	DCNG-E-37P-P1	DCNG-X-37P-P1	DCNG-Z-37P-P1	DCNG-L-37P-P1
DD	50	DDNG-50P-P1	DDNG-E-50P-P1	DDNG-X-50P-P1	DDNG-Z-50P-P1	DDNG-L-50P-P1

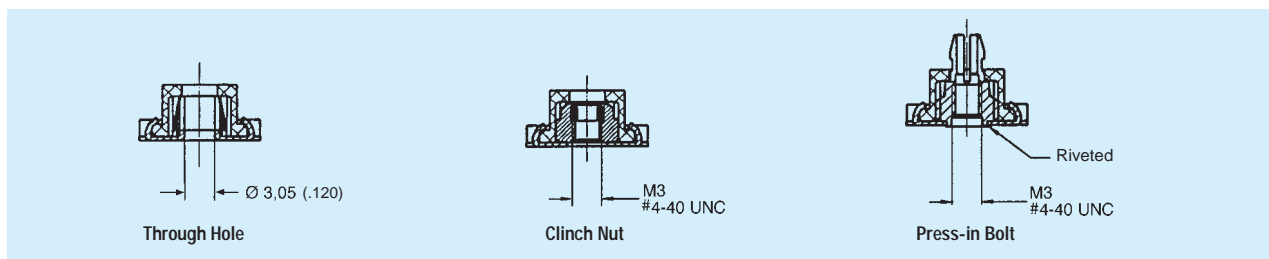
Note: For performance class 1 (gold over PdNi finish) add -408. Example: DENG9P-P1-408



Dimensions

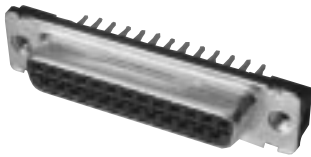
Shell size	A	B	C	D	E
	± 0,38 (.015)	± 0,13 (.005)	± 0,13 (.005)	± 0,13 (.005)	± 0,38 (.015)
DE	30,81 (1.213)	16,92 (.666)	24,99 (.984)	8,36 (.329)	12,55 (.494)
DA	39,14 (1.541)	25,25 (.994)	33,32 (1.312)	8,36 (.329)	12,55 (.494)
DB	53,04 (2.088)	38,96 (1.534)	47,04 (1.852)	8,36 (.329)	12,55 (.494)
DC	69,32 (2.729)	55,42 (2.182)	63,50 (2.500)	8,36 (.329)	12,55 (.494)
DD	66,93 (2.635)	52,81 (2.079)	61,11 (2.406)	11,07 (.436)	15,37 (.605)

Mounting Types



Straight Pressfit Terminator

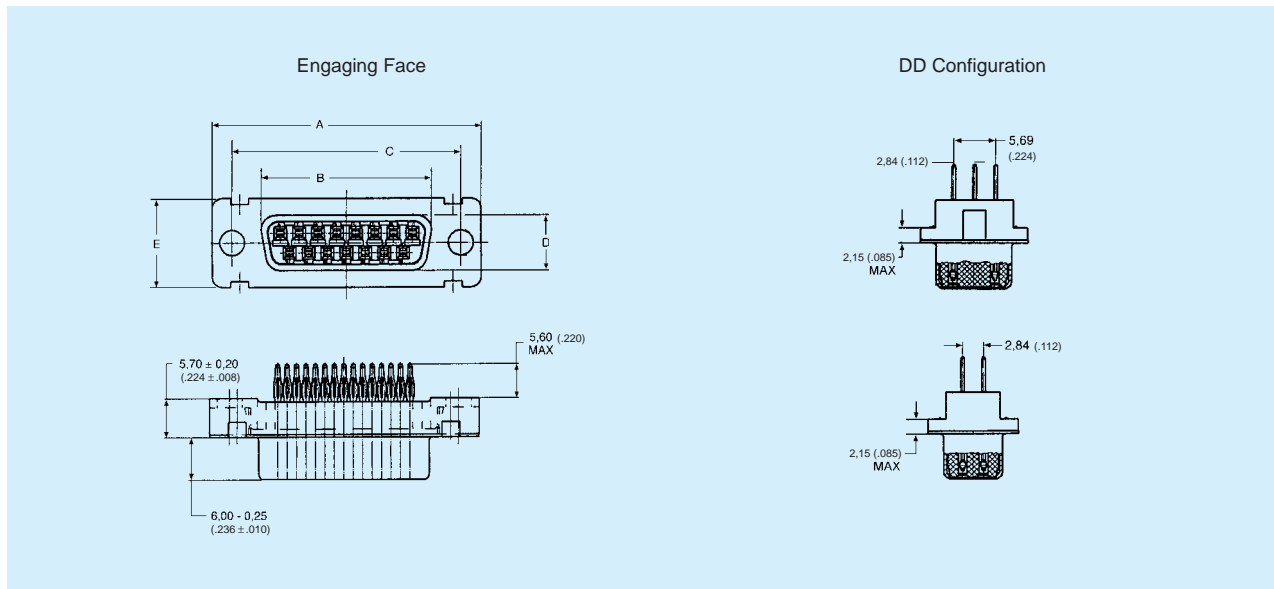
Receptacle



Part Numbers

Shell size	Layout	Through Hole	Clinch Nut # 4-40 UNC	Clinch Nut M3	Press-in Bolt # 4-40 UNC	Press-in Bolt M3
DE	9	DENG-9S-P1	DENG-E-9S-P1	DENG-X-9S-P1	DENG-Z-9S-P1	DENG-L-9S-P1
DA	15	DANG-15S-P1	DANG-E-15S-P1	DANG-X-15S-P1	DANG-Z-15S-P1	DANG-L-15S-P1
DB	25	DBNG-25S-P1	DBNG-E-25S-P1	DBNG-X-25S-P1	DBNG-Z-25S-P1	DBNG-L-25S-P1
DC	37	DCNG-37S-P1	DCNG-E-37S-P1	DCNG-X-37S-P1	DCNG-Z-37S-P1	DCNG-L-37S-P1
DD	50	DDNG-50S-P1	DDNG-E-50S-P1	DDNG-X-50S-P1	DDNG-Z-50S-P1	DDNG-L-50S-P1

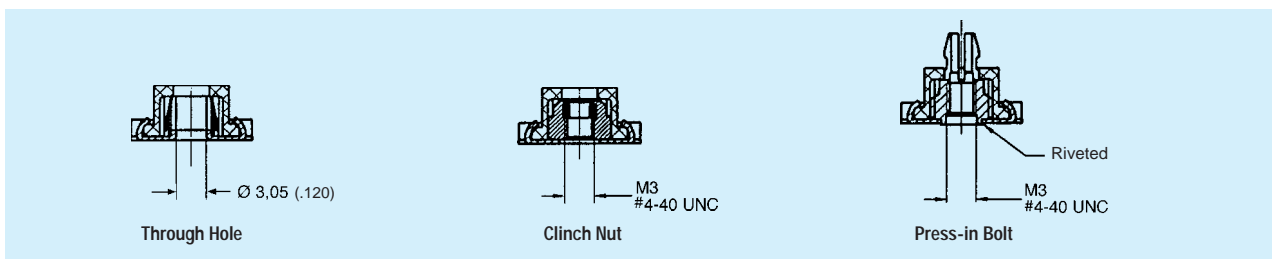
Note: For performance class 1 (gold over PdNi finish) add -408. Example: DENG9S-P1-408



Dimensions

Shell size	A	B	C	D	E
	±0,38 (.015)	±0,13 (.005)	±0,13 (.005)	±0,13 (.005)	±0,38 (.015)
DE	30,81 (1.213)	16,33 (.643)	24,99 (.984)	7,90 (.311)	12,55 (.494)
DA	39,14 (1.541)	24,66 (.971)	33,32 (1.312)	7,90 (.311)	12,55 (.494)
DB	53,04 (2.088)	38,38 (1.511)	47,04 (1.852)	7,90 (.311)	12,55 (.494)
DC	69,32 (2.729)	54,84 (2.159)	63,50 (2.500)	7,90 (.311)	12,55 (.494)
DD	66,93 (2.635)	52,42 (2.064)	61,11 (2.406)	10,74 (.423)	15,37 (.605)

Mounting Types



Basic press CPP-60-250 or press with flat press-in die

